

## AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

### Listing of Claims:

1-23. (Cancelled).

24. (Currently Amended) In a computer system, the computer system including system memory, a processor, and a computer-readable medium, a data store and a method store being stored on the computer-readable medium, the data store and the method store arranged together in a combined item hierarchy on the computer-readable medium, the data store having least one data item that depends from a method in the method store and the method store having at least one method that depends from data in the data store, the combined item hierarchy being divided into one or more non-overlapping security zones, each of the one or more non-overlapping security zones being defined as a grouping of one or more data items and one or more method items having common security rules such that principals with ~~administrative~~-rights to items in a non-overlapping security zone can treat all the items in the non-overlapping security zone uniformly in accordance with common security rules, a method of splitting the one or more non-overlapping security zones into a plurality of non-overlapping security zones to facilitate more efficient ~~delegation-assignment~~ of ~~administrative~~-rights to principals, comprising:

an act of identifying a grouping of data items and method items in the combined item hierarchy for which new common security rules are to be enforced, the identified grouping of data items and method items currently included in an existing non-overlapping zone from among the one or more non-overlapping zones, existing common security rules being enforced within the existing non-overlapping zone, the new common security rules differing from the existing common security rules being enforced within the existing non-overlapping zone;

an act of the processor re-configuring the one or more non-overlapping security zones so that ~~administrative~~-rights can be ~~delegated~~-assigned at a granularity that is finer than an entire database but yet coarse enough so as to not require ~~delegation~~ assignment for each item, including:

an act of splitting the existing non-overlapping security zone into a new

non-overlapping security zone and a remnant of the existing non-overlapping security zone, the arrangement of the new non-overlapping security zone relative to the remnant of the existing non-overlapping security zone based on the location of the identified grouping of data items and method items within the combined item hierarchy, the new non-overlapping security zone for containing the identified grouping of data items and methods items, the remnant of the existing non-overlapping security zone containing at least one data item or method item from the existing non-overlapping security zone, wherein said splitting is restricted in such a way as to prevent overlapping between security zones and such that none of the data items and method items are included in more than one security zone ; and

an act of adjusting data properties of each of the items in the identified grouping of data items and method items to represent that the identified grouping of data items and method items are contained in the new non-overlapping security zone;

for any principals that had existing ~~administrative~~ rights in the existing non-overlapping security zone based on the existing common security rules being enforced in the existing non-overlapping security zone at the time the existing non-overlapping zone was split, an act of retaining those existing ~~administrative~~ rights in the new non-overlapping security zone, including in the identified grouping of data items and methods items, subsequent to splitting the existing non-overlapping security zone and subsequent to adjusting data properties to represent that the identified grouping of data items and methods items are contained in the new non-overlapping security zone; and

an act of ~~specifying that granting one or more additional principals other rights in the new non-overlapping security zone to one or more additional principals in accordance with the new common security rules, assigning the other rights to the new non-overlapping zone collectively grant the other rights to each item have other administrative rights in the identified grouping of data items and method items through the assignment of the other rights to the new non-overlapping security zone based on the new common security rules by specifying that the one or more additional principals have the other administrative rights to the new non-overlapping security zone in accordance with the~~

~~new common security rules~~, the other administrative rights differing from the existing administrative rights.

25. (Previously Presented) The method of claim 24, wherein specifying the one or more additional principals is performed by the one or more main principals.

26. (Previously Presented) The method of claim 24 wherein the act of adjusting data properties of each of the items in the identified grouping of data items and method items comprises labeling each of the items with a security zone enumeration corresponding to the new non-overlapping security zone.

27. (Original) The method of claim 24, the administrative rights being security rights.

28. (Original) The method of claim 24, the administrative rights being auditing rights.

Claims 29-32. (Cancelled).

33. (Cancelled)

34. (Currently Amended) A computer program product for use at a computer system, the computer program product comprising one or more computer-readable storage media, a data store and a method stored being stored on the one or more computer-readable storage media, the data store and the method store arranged together in a combined item hierarchy on the computer-readable medium, the data store having least one data item that depends from a method in the method store and the method store having at least one method that depends from data in the data store, the combined item hierarchy being divided into one or more non-overlapping security zones, each of the one or more non-overlapping security zones being defined as a grouping of one or more data items and one or more method items having common security rules such that principals with administrative rights to items in a non-overlapping security zone can treat all the items in the non-overlapping security zone uniformly in accordance with common security rules, the computer-readable storage media also storing computer-executable instructions that, when executed by a processor, cause the computer system to perform a method of splitting the one or more non-overlapping security zones into a plurality of non-overlapping security zones to facilitate more efficient delegation of administrative rights to principals, comprising:

- an act of identifying a grouping of data items and method items in the combined item hierarchy for which new common security rules are to be enforced, the identified grouping of data items and method items currently included in an existing non-overlapping zone from among the one or more non-overlapping zones, existing common security rules being enforced within the existing non-overlapping zone, the new common security rules differing from the existing common security rules being enforced within the existing non-overlapping zone;

- an act of the re-configuring the one or more non-overlapping security zones so that administrative rights can be delegated at a granularity that is finer than an entire database but yet coarse enough so as to not require delegation for each item, including:

- an act of splitting the existing non-overlapping security zone into a new non-overlapping security zone and a remnant of the existing non-overlapping security zone, the arrangement of the new non-overlapping security zone relative to the remnant of the existing non-overlapping security zone based on the location of the identified grouping of data items and method items within the combined item hierarchy, the new non-overlapping security zone for containing the

identified grouping of data items and methods items, the remnant of the existing non-overlapping security zone containing at least one data item or method item from the existing non-overlapping security zone, wherein said splitting is restricted in such a way as to prevent overlapping between security zones and such that none of the data items and method items are included in more than one security zone; and

an act of adjusting data properties of each of the items in the identified grouping of data items and method items to represent that the identified grouping of data items and method items are contained in the new non-overlapping security zone;

for any principals that had existing administrative rights in the existing non-overlapping security zone based on the existing common security rules being enforced in the existing non-overlapping security zone at the time the existing non-overlapping zone was split, an act of retaining those existing administrative rights in the new non-overlapping security zone, including in the identified grouping of data items and methods items, subsequent to splitting the existing non-overlapping security zone and subsequent to adjusting data properties to represent that the identified grouping of data items and methods items are contained in the new non-overlapping security zone; and

an act of ~~specifying that granting one or more additional principals other rights in the new non-overlapping security zone to one or more additional principals in accordance with the new common security rules, assigning the other rights to the new non-overlapping zone collectively granting the other rights to each item have other administrative rights in the identified grouping of data items and method items through the granting of the other rights to the new non-overlapping security zone based on the new common security rules by specifying that the one or more additional principals have the other administrative rights to the new non-overlapping security zone in accordance with the new common security rules, the other administrative rights differing from the existing administrative rights.~~

35. (Cancelled)

36. (Previously Presented) The method of claim 24, wherein the existing common security rules comprise an access control list defining the rights a principal has to the items in the remnant of the existing non-overlapping security zone.

37. (Previously Presented) The method of claim 24, wherein the new common security rules comprise an access control list defining the rights a principal has to the items in the new non-overlapping security zone.

38. (Previously Presented) The computer program product of claim 34, wherein specifying the one or more additional principals is performed by the one or more main principals.

39. (Previously Presented) The computer program product of claim 34, wherein the act of adjusting data properties of each of the items in the identified grouping of data items and method items comprises labeling each of the items with a security zone enumeration corresponding to the new non-overlapping security zone.

40. (Previously Presented) The computer program product of claim 34, the administrative rights being security rights.

41. (Previously Presented) The computer program product of claim 34, the administrative rights being auditing rights.

42. (Previously Presented) The computer program product of claim 34, wherein the existing common security rules comprise an access control list defining the rights a principal has to the items in the remnant of the existing non-overlapping security zone.

43. (Previously Presented) The computer program product of claim 34, wherein the new common security rules comprise an access control list defining the rights a principal has to the items in the new non-overlapping security zone.

44. (New) The method as recited in claim 24, wherein an act of granting other rights in the new non-overlapping security zone to one or more additional principals in accordance with the new common security rules comprises an act of granting a set of rights in the non-overlapping security zone to the one or more additional principals so as to collectively grant the set of rights to the one or more additional principals for each item in the identified grouping of data items and method items through the granting of the set of rights in the new non-overlapping security zone, the set of rights including one or more rights selected from among: read, write, delete, and execute.

45. (New) The computer program product as recited in claim 34, wherein an act of granting other rights in the new non-overlapping security zone to one or more additional principals in accordance with the new common security rules comprises an act of granting a set of rights in the non-overlapping security zone to the one or more additional principals so as to collectively grant the set of rights to the one or more additional principals for each item in the identified grouping of data items and method items through the granting of the set of rights in the new non-overlapping security zone, the set of rights including one or more rights selected from among: read, write, delete, and execute.